

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Christos Paparizos, ) PATENT APPLICATION

Stephen C. Jevne, Michael )

J. Seely )

)

APPLICATION NO.: 10/717,130 ) Group Art Unit: Unknown

CONFIRMATION NO.: Unknown )

)

FILED: November 18, 2003 ) Examiner:

) Unknown

)

FOR: Improved Catalyst For The ) Attorney Docket No.:  
Manufacture Of Acrylonitrile ) 37,437Information Disclosure StatementFiled Under 37 CFR 1.56 and 37 CFR 1.97(b)

Commissioner  
for Patents  
P. O. Box 1450  
Alexandria, Virginia  
22313-1450

Sir:

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING  
DEPOSITED WITH THE UNITED STATES POSTAL SERVICE WITH  
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ADDRESSED TO: COMMISSIONER FOR PATENTS, ALEXANDRIA,  
VIRGINIA 22313-1450.

on 2-24 2004 By Carol A. Wilson  
(Signature)

CAROL A. WILSON  
(Typed or Printed Name of Person Signing Certificate)

In fulfillment of the duty of disclosure required by 37 CFR 1.56, the attention of the Examiner is directed to the documents listed on the accompanying form PTO -1449, entitled "List of Documents cited by Applicant", which is submitted with respect to the above-identified application. Further, in accordance with 37 CFR 1.98(a)(3)(i), the following is a concise explanation of the relevance of each of the foreign patent documents listed on the form PTO - 1449:

**ANY ADDITIONAL FEES REQUIRED  
CHARGE TO DEPOSIT ACCOUNT  
NO. 01-0528**

JP 07047272A

(No Japanese language document provided – English language abstract and English language translation of JP 07047272 A provided.)

This document discloses a generic catalyst composition of the formula:



wherein Q is Cr or In; A is K, Rb, Cs; E is Mg, Mn, Zn, Ce, Na, or P.

CN 1114915A

(Chinese language document and English language translation provided.)

This document discloses a generic catalyst composition of the formula:



wherein A is K, Rb, Cs, Sm, Th; B is Mn, Mg, Sr, Ca, Ba, La, rare earth, C is P, As, B, Sb, Cr; M is W, V. This document also describes the diameter of colloidal particles (10-200nm, 15-90 nm preferred) of silicon sol.

JP 020045696

(Machine translation to English provided.)

This document discloses a generic catalyst composition of the formula:



wherein H is Mg, Ca, Sr, Ba, Cr, Mn, Co, Ni, Cu, Zn or Cd; L is Y, La Pr, Nd, Sm, Al, Ga, or In; M is Ti, Zr, V, Nb, Ta, W, Ge, Sn, Pb or Sb; N is Ru, Rh, Pd, Re, Os, Ir, Pt, or Ag; X is P, B, As, Ti, or Te, Y is Li, Na, K, Rb, or Ce. The composition of Example 3 may be relevant to the patentability of the invention claimed in the above-identified application.

CN 1302690 A

(Chinese language document and partial English language translation provided.)

This document discloses a generic catalyst composition of the formula:



wherein X is Mg, Co, Ca, Be, Cu, Zn, Pb, Sb, Mn, or Cr; Y is La, or Ce, sm; Z is K, Rb, Na, or Cs; Q is B, W, or V. The composition of Example 7 may be relevant to the patentability of the invention claimed in the above-identified application.

CN 1310046 A

(Chinese language document and partial English language translation provided.)

This document discloses a generic catalyst composition of the formula:



wherein A is Li, Na, K, Rb, or Cs; B is Co, Ni, Cr, Ca, Mg, La, Ce, or V; C is B, P, or As. The composition of Example 8 may be relevant to the patentability of the invention claimed in the above-identified application.

CN 1310172 A

(Chinese language document and English language translation provided.)

This document discloses a generic catalyst composition of the formula:

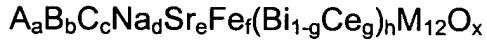


wherein A is Li, Na, K, Rb, or Cs; B is Co, Ni, Cr, Ca, Ce, La, Cu, or V; C is B, P, or As. The composition of Example 5 may be relevant to the patentability of the invention claimed in the above-identified application.

CN 1230459A

(Chinese language document and partial English language translation provided.)

This document discloses a generic catalyst composition of the formula:



wherein A is Li, K, Rb, or Cs; B is Mg or Zn; C is Ni, Co, Mn, Cr, Sb, P, W, or V.

WO 01/14057A

(Chinese language document and partial English language translation provided.)

This document discloses a generic catalyst composition of the formula:

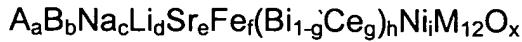


wherein A is Li, K, Rb, Cs, Sm, In, or Tl; B is at least two of P, Sb, Cr, W, Pr, Ce, As, B, Te, Ga, Al, Nb, Tb, La, or V; C is Ni, Co, Sr, Mn, Mg, Ca, Zn, Cd, or Cu.

CN 1287882A

(Chinese language document and English language translation provided.)

This document discloses a generic catalyst composition of the formula:



wherein A is K, Rb, Cs, Tl or Sm; B is Mg, Zn, Co, Mn, Cr, P, Sb, B, W, or V.

The documents listed on the accompanying form are for the Examiner's convenience and do not constitute an admission that the documents so listed are, in fact, prior art with respect to the present application. Further, with respect to the foreign patent documents, while the above description is believed to reflect the relevant contents of the document, it is not intended that the Patent and Trademark Office rely upon this description as unfailingly accurate or complete. Rather, an English language copy of each document is included for the express purpose of providing the Patent and Trademark Office with ample opportunity to evaluate the same and to arrive at an independent assessment of the materiality of the document, if any, to the examination of this application.

Applicants respectfully request that the art listed on the accompanying form entitled "List of Documents cited by Applicant" be made of record in the above-stylized case.

Correspondence Address:  
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Docket Clerk, BP Legal, M.C. 5East  
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Respectfully submitted,

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David P. Yusko  
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Registration Number 30,817  
(630) 821-2450

<p style="text-align: center;">U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p style="text-align: center;">LIST OF DOCUMENTS CITED BY APPLICANT (use several sheets if necessary)</p> <p style="text-align: right;">O I P E</p>										ATTY. DOCKET NO. 37,437	SERIAL NO. 10/717,130								
										APPLICANTS Christos Paparizos, Stephen C. Jevne, Michael J. Seely									
										FILING DATE November 18, 2003					GROUP UNKNOWN				
<p style="text-align: center;">FEB 27 2004</p>										U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	SEARCHED INDEXED MAILED	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE					
		AA	4	2	2	8	0	9	8	10/14/80	Aoki et al.	260	465.3						
		AB	4	4	1	4	1	3	3	11/08/83	Otake et al.	502	179						
		AC	4	6	5	9	6	8	9	04/21/87	Suresh et al.	502	311						
		AD	4	7	4	6	7	5	3	05/24/88	Brazdil, Jr. et al.	558	324						
		AE	4	9	3	9	2	8	6	07/03/90	Brazdil et al.	558	324						
		AF	5	0	9	3	2	9	9	03/03/92	Suresh et al.	502	212						
		AG	5	1	3	4	1	0	5	07/28/92	Paparizos et al.	502	205						
		AH	5	1	7	5	3	3	4	12/29/92	Suresh et al.	558	324						
		AI	5	2	1	2	1	3	7	05/18/93	Suresh et al.	502	212						
		AJ	5	2	3	5	0	8	8	08/10/93	Paparizos et al.	558	324						
AK	5	3	6	4	8	2	5	11/15/94	Neumann et al.	502	311								
FOREIGN PATENT DOCUMENTS																			
		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION					
														YES	NO				
		AL	JP	07	04	72	72	A	2	02/21/95	Japan				x				
		AM	C	N	11	14	91	5	A	01/17/96	China				x				
		AN	JP	02	00	45	69	6	A	02/12/02	Japan				x				
		AO	C	N	13	02	69	0	A	07/11/01	China				x				
AP	C	N	13	10	04	6	A	02/24/00	China				x						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)																			
	AR																		
	AS																		
	AT																		
EXAMINER										DATE CONSIDERED									
<p>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>																			

<b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>LIST OF DOCUMENTS CITED BY APPLICANT</b> <i>(Use several sheets if necessary)</i>									<b>ATTY. DOCKET NO.</b> 37,437	<b>SERIAL NO.</b> 10/717,130
									<b>APPLICANTS</b> Christos Paparizos, Stephen C. Jevne, Michael J. Seely	
									<b>FILING DATE</b> November 18, 2003	<b>GROUP</b> UNKNOWN

**U.S. PATENT DOCUMENTS**

<b>*EXAMINER INITIAL</b>		<b>DOCUMENT NUMBER</b>								<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>FILING DATE IF APPROPRIATE</b>
		5	5	8	3	0	8	4						
AU		5	5	8	3	0	8	4	12/10/96	Martin et al.	502	211		
AV		5	5	8	3	0	8	6	12/10/96	Tenten et al.	502	249		
AW		5	6	5	8	8	4	2	08/19/97	Midorikawa et al.	502	314		
AX		5	6	6	3	1	1	3	10/02/97	Midorikawa et al.	502	314		
AY		5	7	8	0	6	6	4	07/14/98	Kunitoshi Aoki	558	323		
AZ		5	8	0	8	1	4	3	09/15/98	Karrer et al.	562	407		
BA		5	8	4	0	6	4	8	11/24/98	Suresh et al.	502	306		
BB		6	1	4	3	6	9	0	11/07/00	Komada et al.	502	211		
BC		5	8	3	4	3	9	4	11/10/98	Chen et al.	502	302		
BD		6	4	5	8	7	4	2	10/01/02	Paparizos et al.	502	301		
BE														

**FOREIGN PATENT DOCUMENTS**

		<b>DOCUMENT NUMBER</b>								<b>DATE</b>	<b>COUNTRY</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>TRANSLATION</b>	
		C	N	13	10	17	2	A						YES	NO
BF		C	N	13	10	17	2	A	08/29/01	China					X
BG		C	N	12	30	45	9	A	10/06/99	China					X
BH		W	O	01	14	05	7	A	03/01/01	China					X
BI		C	N	12	87	88	2	A	03/21/01	China					X
BJ															

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

	<b>BK</b>													
	<b>BL</b>													
	<b>BM</b>													
<b>EXAMINER</b>									<b>DATE CONSIDERED</b>					

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.